

AMENDED IN ASSEMBLY APRIL 28, 2010

AMENDED IN ASSEMBLY APRIL 14, 2010

AMENDED IN ASSEMBLY APRIL 7, 2010

CALIFORNIA LEGISLATURE—2009–10 REGULAR SESSION

## **ASSEMBLY BILL**

**No. 2514**

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**Introduced by Assembly Member Skinner**

February 19, 2010

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An act to amend Section 25302 of the Public Resources Code, and to amend Sections 9615 and 9620 of, and to add Chapter 7.7 (commencing with Section 2835) to Part 2 of Division 1 of, the Public Utilities Code, relating to energy.

### LEGISLATIVE COUNSEL'S DIGEST

AB 2514, as amended, Skinner. Energy storage systems.

Under existing law, the Public Utilities Commission (CPUC) has regulatory authority over public utilities, including electrical corporations, as defined. The existing Public Utilities Act requires the CPUC to review and adopt a procurement plan for each electrical corporation in accordance with specified elements, incentive mechanisms, and objectives. The existing California Renewables Portfolio Standard Program (RPS program) requires the CPUC to implement annual procurement targets for the procurement of eligible renewable energy resources, as defined, for all retail sellers, including electrical corporations, community choice aggregators, and electric service providers, but not including local publicly owned electric utilities, to achieve the targets and goals of the program.

The existing Warren-Alquist State Energy Resources Conservation and Development Act establishes the State Energy Resources

Conservation and Development Commission (Energy Commission) and requires it to undertake a continuing assessment of trends in the consumption of electricity and other forms of energy and to analyze the social, economic, and environmental consequences of those trends and to collect from electric utilities, gas utilities, and fuel producers and wholesalers and other sources, forecasts of future supplies and consumption of all forms of energy. ~~Existing law requires the Energy Commission, beginning November 1, 2003, and every 2 years thereafter, to adopt an integrated energy policy report which includes an assessment and forecast of system reliability and the need for resource additions, efficiency, and conservation.~~

Existing law requires that each local publicly owned electric utility serving end-use customers to prudently plan for and procure resources that are adequate to meet its planning reserve margin and peak demand and operating reserves, sufficient to provide reliable electric service to its customers. That law additionally requires the utility, upon request, to provide the Energy Commission with any information the Energy Commission determines is necessary to evaluate the progress made by the local publicly owned electric utility in meeting those planning requirements, and requires the Energy Commission to report the progress made by each utility to the Legislature, to be included in the integrated energy policy reports. Under existing law the governing body of a local publicly owned electric utility is responsible for implementing and enforcing a renewables portfolio standard for the utility that recognizes the intent of the Legislature to encourage renewable resources, while taking into consideration the effect of the standard on rates, reliability, and financial resources and the goal of environmental improvement.

This bill would require the CPUC, by April 1, 2011, to open a proceeding to establish procurement targets for each electrical corporation for viable and cost-effective energy storage systems and, by January 1, 2013, to adopt an appropriate energy storage system procurement target to be achieved by each electrical corporation by January 1, 2015, and a 2nd target to be achieved by January 1, 2020. The bill would require the governing board of a local publicly owned electric utility, by April 1, 2011, to open a proceeding to establish procurement targets for the utility for viable and cost-effective energy storage systems and, by January 1, 2013, to adopt an appropriate energy storage system procurement target to be achieved by the utility by January 1, 2015, and a 2nd target to be achieved by January 1, 2020. The bill would additionally require each local publicly owned electric

utility, commencing January 1, 2012, to develop and submit to the Energy Commission a plan to implement a 5-year program to employ distributed thermal, mechanical, or electrochemical energy storage systems to maximize shifting of electricity use for air-conditioning and refrigeration from peak demand periods to offpeak periods. The bill would require each electrical corporation and local publicly owned electric utility to report certain information to the CPUC, for an electrical corporation, or to the Energy Commission, for a local publicly owned electric utility. ~~The bill would require the Energy Commission to include certain information relative to energy storage systems in the integrated energy policy report, commencing with the report to be made by November 1, 2011.~~ The bill would make other technical, nonsubstantive revisions to existing law.

Under existing law, a violation of the Public Utilities Act or any order, decision, rule, direction, demand, or requirement of the CPUC is a crime.

Because certain of the provisions of this bill require action by the CPUC to implement, a violation of these provisions would impose a state-mandated local program by creating a new crime. Because certain of the bill's requirements are applicable to local publicly owned electric utilities, the bill would impose a state-mandated local program.

The California Constitution requires the state to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement.

This bill would provide that no reimbursement is required by this act for specified reasons.

Vote: majority. Appropriation: no. Fiscal committee: yes.  
State-mandated local program: yes.

*The people of the State of California do enact as follows:*

- 1 SECTION 1. The Legislature finds and declares all of the
- 2 following:
- 3 (a) Expanding the use of energy storage systems can assist
- 4 electrical corporations and local publicly owned electric utilities
- 5 in integrating increased amounts of renewable energy resources
- 6 into the electrical transmission and distribution grid in a manner
- 7 that minimizes emissions of greenhouse gases.
- 8 (b) Additional energy storage systems can optimize the use of
- 9 the significant additional amounts of variable, intermittent, and

1 offpeak electrical generation from wind and solar energy that will  
2 be entering the California power mix on an accelerated basis.

3 (c) Expanded use of energy storage systems can reduce costs  
4 to ratepayers by avoiding or deferring the need for new fossil  
5 fuel-powered peaking powerplants and avoiding or deferring  
6 distribution and transmission system upgrades and expansion of  
7 the grid.

8 (d) Expanded use of energy storage systems will reduce the use  
9 of electricity generated from fossil fuels to meet peak load  
10 requirements on days with high electricity demand and can avoid  
11 or reduce the use of electricity generated by high carbon-emitting  
12 electrical generating facilities during those high electricity demand  
13 periods. This will have substantial cobenefits from reduced  
14 emissions of criteria pollutants.

15 (e) Use of energy storage systems to provide the ancillary  
16 services otherwise provided by fossil-fueled generating facilities  
17 will reduce emissions of carbon dioxide and criteria pollutants.

18 (f) There are significant barriers to obtaining the benefits of  
19 energy storage systems, including inadequate evaluation of the  
20 use of energy storage to integrate renewable energy resources into  
21 the transmission and distribution grid through long-term electricity  
22 resource planning, lack of recognition of technological and  
23 marketplace advancements, and inadequate statutory and regulatory  
24 support.

25 ~~SEC. 2. Section 25302 of the Public Resources Code is~~  
26 ~~amended to read:~~

27 ~~25302. (a) Beginning November 1, 2003, and every two years~~  
28 ~~thereafter, the commission shall adopt an integrated energy policy~~  
29 ~~report. This integrated report shall contain an overview of major~~  
30 ~~energy trends and issues facing the state, including, but not limited~~  
31 ~~to, supply, demand, pricing, reliability, efficiency, and impacts on~~  
32 ~~public health and safety, the economy, resources, and the~~  
33 ~~environment. Energy markets and systems shall be grouped and~~  
34 ~~assessed in three subsidiary volumes:~~

35 ~~(1) Electricity and natural gas markets.~~

36 ~~(2) Transportation fuels, technologies, and infrastructure.~~

37 ~~(3) Public interest energy strategies.~~

38 ~~(b) The commission shall compile the integrated energy policy~~  
39 ~~report prepared pursuant to subdivision (a) by consolidating the~~  
40 ~~analyses and findings of the subsidiary volumes in paragraphs (1);~~

1 (2), and (3) of subdivision (a). The integrated energy policy report  
2 shall present policy recommendations based on an indepth and  
3 integrated analysis of the most current and pressing energy issues  
4 facing the state. The analyses supporting this integrated energy  
5 policy report shall explicitly address interfuel and intermarket  
6 effects to provide a more informed evaluation of potential tradeoffs  
7 when developing energy policy across different markets and  
8 systems.

9 (e) The integrated energy policy report shall include an  
10 assessment and forecast of system reliability and the need for  
11 resource additions, efficiency, and conservation that considers all  
12 aspects of energy industries and markets that are essential for the  
13 state economy, general welfare, public health and safety, energy  
14 diversity, and protection of the environment. This assessment shall  
15 be based on determinations made pursuant to this chapter.

16 (d) Beginning November 1, 2004, and every two years thereafter,  
17 the commission shall prepare an energy policy review to update  
18 analyses from the integrated energy policy report prepared pursuant  
19 to subdivisions (a), (b), and (c), or to raise energy issues that have  
20 emerged since the release of the integrated energy policy report.  
21 The commission may also periodically prepare and release  
22 technical analyses and assessments of energy issues and concerns  
23 to provide timely and relevant information for the Governor, the  
24 Legislature, market participants, and the public.

25 (e) (1) For purposes of this subdivision, “energy storage system”  
26 has the same meaning as in Section 2835.1 of the Public Utilities  
27 Code.

28 (2) Beginning November 1, 2011, and every two years thereafter,  
29 the integrated energy policy report, prepared by the commission  
30 pursuant to subdivision (a), shall do all of the following:

31 (A) Identify, evaluate, and recommend the best technologies  
32 and locations in the state for energy storage systems to achieve  
33 the purposes set forth in subdivision (a) of Section 2837.

34 (B) Evaluate the potential capacity and benefits of energy  
35 storage systems to the electrical transmission and distribution grid.

36 (C) Identify and recommend locations where the interconnection  
37 costs for energy storage systems located on the transmission and  
38 distribution grid would be minimized.

39 (f) In preparation of the report, the commission shall consult  
40 with the following entities: the Public Utilities Commission, the

1 Office of Ratepayer Advocates, the State Air Resources Board,  
2 the Electricity Oversight Board, the Independent System Operator,  
3 the Department of Water Resources, the California Consumer  
4 Power and Conservation Financing Authority, the Department of  
5 Transportation, and the Department of Motor Vehicles, and any  
6 federal, state, and local agencies it deems necessary in preparation  
7 of the integrated energy policy report. To assure collaborative  
8 development of state energy policies, these agencies shall make a  
9 good faith effort to provide data, assessment, and proposed  
10 recommendations for review by the commission.

11 (g) The commission shall provide the report to the Public  
12 Utilities Commission, the Office of Ratepayer Advocates, the State  
13 Air Resources Board, the Electricity Oversight Board, the  
14 Independent System Operator, the Department of Water Resources,  
15 the California Consumer Power and Conservation Financing  
16 Authority, and the Department of Transportation. For the purpose  
17 of ensuring consistency in the underlying information that forms  
18 the foundation of energy policies and decisions affecting the state,  
19 those entities shall carry out their energy-related duties and  
20 responsibilities based upon the information and analyses contained  
21 in the report. If an entity listed in this subdivision objects to  
22 information contained in the report, and has a reasonable basis for  
23 that objection, the entity shall not be required to consider that  
24 information in carrying out its energy-related duties.

25 (h) The commission shall make the report accessible to state,  
26 local, and federal entities and to the general public.

27 ~~SEC. 3.~~

28 *SEC. 2.* Chapter 7.7 (commencing with Section 2835) is added  
29 to Part 2 of Division 1 of the Public Utilities Code, to read:

30  
31 CHAPTER 7.7. ENERGY STORAGE SYSTEMS  
32

33 2835. For purposes of this chapter, the following terms have  
34 the following meanings:

35 (a) (1) “Energy storage system” means commercially available  
36 technology that is capable of absorbing energy, storing it for a  
37 period of time, and thereafter dispatching the energy. An “energy  
38 storage system” may have any of the characteristics in paragraph  
39 (2), shall accomplish one of the purposes in paragraph (3), and  
40 shall meet at least one of the characteristics in paragraph (4).

(2) An “energy storage system” may have any of the following characteristics:

(A) Be either centralized or distributed.

(B) Be either owned by an electrical corporation or local publicly owned electric utility, a customer of an electrical corporation or local publicly owned electric utility, or a third party, or is jointly owned by two or more of the above.

(3) An “energy storage system” shall be cost effective and either reduce emissions of greenhouse gases, reduce demand for peak electrical generation, or improve the reliable operation of the electrical transmission or distribution grid.

(4) An “energy storage system” shall do one or more of the following:

(A) Use mechanical, chemical, or thermal processes to store energy that was generated at offpeak times for use at a later time without substantial reliance on fossil fuels.

(B) Store thermal energy for direct use for heating or cooling at a later time in a manner that avoids the need to use electricity at that later time.

(C) Use mechanical, chemical, or thermal processes to store energy generated from renewable resources for use at a later time without substantial reliance on fossil fuels.

(D) Use mechanical, chemical, or thermal processes to store energy generated from mechanical processes that would otherwise be wasted for delivery at a later time without substantial reliance on fossil fuels.

(b) “New” means, in reference to an energy storage system, a system that is installed and first becomes operational after January 1, 2010.

(c) “Offpeak” means, in reference to electrical demand, a period that is not within a peak demand period.

(d) “Peak demand period” means a period of high daily, weekly, or seasonal demand for electricity. For purposes of this chapter, the peak demand period for an electrical corporation shall be determined, or approved, by the commission and shall be determined, or approved, for a local publicly owned electric utility, by its governing body.

(e) “Procure” and “procurement” means, in reference to the procurement of an energy storage system, to acquire by ownership or by a contractual right to use the energy from, or the capacity

1 of, including ancillary services, an energy storage system owned  
2 by a customer or third party.

3 2836. (a) (1) On or before April 1, 2011, the commission shall  
4 open a proceeding to establish procurement targets for each  
5 electrical corporation for viable and cost-effective energy storage  
6 systems.

7 (2) On or before January 1, 2013, the commission shall adopt  
8 appropriate energy storage system procurement targets to be  
9 achieved by each electrical corporation by January 1, 2015, and a  
10 second target to be achieved by January 1, 2020.

11 (3) The commission shall reevaluate the determinations made  
12 pursuant to this subdivision not less than once every three years.

13 (b) (1) On or before April 1, 2011, the governing board of each  
14 local publicly owned electric utility shall initiate a process to  
15 establish procurement targets for the utility for viable and  
16 cost-effective energy storage systems.

17 (2) On or before January 1, 2013, the governing board shall  
18 adopt appropriate energy storage system procurement targets to  
19 be achieved by the utility by January 1, 2015, and a second target  
20 to be achieved by January 1, 2020.

21 (3) The governing board shall reevaluate the determinations  
22 made pursuant to this subdivision not less than once every three  
23 years.

24 (4) A local publicly owned electric utility shall report to the  
25 Energy Commission regarding the energy storage system  
26 procurement targets adopted by the governing board pursuant to  
27 paragraph (2), and report any modifications made to those targets  
28 as a result of a reevaluation undertaken pursuant to paragraph (3).

29 2836.2. In adopting and reevaluating appropriate energy storage  
30 system procurement targets pursuant to subdivision (a) of Section  
31 2836, the commission shall do all of the following:

32 (a) Consider existing results of testing and trial pilot projects  
33 from existing energy storage facilities.

34 (b) Consider available information from the California  
35 Independent System Operator derived from California Independent  
36 System Operator testing and evaluation procedures.

37 (c) Consider the integration of energy storage technologies with  
38 other programs, including energy efficiency or other means of  
39 reducing electrical demand that will result in the most efficient



1 use of generation resources and cost-effective energy efficient grid  
2 integration and management.

3 (d) Ensure that the energy storage system procurement targets  
4 that are established are technologically viable and cost effective.

5 2836.4. (a) An energy storage system shall be used to meet  
6 the resource adequacy requirements established for an electrical  
7 corporation pursuant to Section 380 if it meets applicable standards.

8 (b) An energy storage system shall be used to meet the resource  
9 adequacy requirements established by a local publicly owned  
10 electric utility pursuant to Section 9620 if it meets applicable  
11 standards.

12 2836.6. All procurement of energy storage systems by an  
13 electrical corporation or local publicly owned electric utility shall  
14 be cost effective.

15 2837. Each electrical corporation's renewable energy  
16 procurement plan, prepared and approved pursuant to Article 16  
17 (commencing with Section 399.11) of Chapter 2.3 of Part 1, shall  
18 do all of the following:

19 (a) Require the utility to procure new energy storage systems  
20 that are sufficient to allow the electrical corporation to meet the  
21 energy storage system procurement targets adopted pursuant to  
22 Section 2836. The plan shall address the acquisition and use of  
23 energy storage systems in order to achieve the following purposes:

24 (1) Integrate intermittent generation from eligible renewable  
25 energy resources into the reliable operation of the transmission  
26 and distribution grid.

27 (2) Allow intermittent generation from eligible renewable energy  
28 resources to operate at or near full capacity.

29 (3) Eliminate the need for new fossil-fuel powered peaking  
30 generation facilities by using stored electricity to meet peak  
31 demand.

32 (4) Reduce purchases of electricity generation sources with  
33 higher emissions of greenhouse gases.

34 (5) Eliminate or reduce transmission and distribution losses,  
35 including increased losses during periods of congestion on the  
36 grid.

37 (6) Reduce the demand for electricity during peak periods and  
38 achieve permanent load-shifting by using thermal storage to meet  
39 air-conditioning needs.

1 (7) Avoid or defer investments in transmission and distribution  
2 system upgrades.

3 (8) Use energy storage systems to provide the ancillary services  
4 otherwise provided by fossil-fueled generating facilities.

5 (b) Consider and incorporate, where feasible, the Energy  
6 Commission's evaluation of energy storage systems, including  
7 locations where the interconnection costs for energy storage  
8 systems located on the transmission and distribution grid would  
9 be minimized, as identified in the Integrated Energy Policy Report  
10 prepared pursuant to Section 25302 of the Public Resources Code.

11 2838. (a) (1) By January 1, 2015, each electrical corporation  
12 shall submit a report to the commission demonstrating that it has  
13 complied with the energy storage system procurement targets  
14 adopted by the commission pursuant to subdivision (a) of Section  
15 2836.

16 (2) By January 1, 2020, each electrical corporation shall submit  
17 a report to the commission demonstrating that it has complied with  
18 the energy storage system procurement targets adopted by the  
19 commission pursuant to subdivision (a) of Section 2836.

20 (b) The commission shall ensure that a copy of each report  
21 required by subdivision (a), with any confidential information  
22 redacted, is available on the commission's Internet Web site.

23 2839. (a) (1) By January 1, 2015, a local publicly owned  
24 electric utility shall submit a report to the Energy Commission  
25 demonstrating that it has complied with the energy storage system  
26 procurement targets adopted by the governing board pursuant to  
27 subdivision (b) of Section 2836.

28 (2) By January 1, 2020, a local publicly owned electric utility  
29 shall submit a report to the Energy Commission demonstrating  
30 that it has complied with the energy storage system procurement  
31 targets adopted by the governing board pursuant to subdivision  
32 (b) of Section 2836.

33 (b) (1) Within 60 days of receipt of a report required by  
34 subdivision (a), the Energy Commission shall notify a local  
35 publicly owned electric utility if the report fails to demonstrate  
36 compliance with the energy storage system procurement target  
37 requirements.

38 (2) Within 60 days of receiving a notice of deficiency pursuant  
39 to paragraph (1), a local publicly owned electric utility shall submit  
40 an energy storage system procurement compliance plan to the

1 Energy Commission setting forth a program for compliance with  
2 the energy storage system procurement targets within six months  
3 of the required date for submittal of the compliance plan.

4 (3) The local publicly owned electric utility that submitted an  
5 energy storage system procurement compliance plan shall comply  
6 with the applicable energy storage system procurement targets  
7 within six months from the required date for submittal of the  
8 compliance plan and shall submit proof of compliance to the  
9 Energy Commission within 30 days of the expiration of the  
10 six-month period.

11 (c) The Energy Commission shall ensure that a copy of each  
12 report or plan required by subdivisions (a) and (b), with any  
13 confidential information redacted, is available on the Energy  
14 Commission's Internet Web site, or on an Internet Web site  
15 maintained by the local publicly owned electric utility that can be  
16 accessed from the Energy Commission's Internet Web site.

17 (d) On or before July 1, 2011, the Energy Commission shall  
18 adopt regulations specifying procedures to enable local publicly  
19 owned electric utilities to comply with this chapter.

20 (e) The commission does not have authority or jurisdiction to  
21 enforce any of the requirements of this chapter against a local  
22 publicly owned electric utility.

23 ~~SEC. 4.~~

24 *SEC. 3.* Section 9615 of the Public Utilities Code is amended  
25 to read:

26 9615. (a) Each local publicly owned electric utility, in  
27 procuring energy to serve the load of its retail end-use customers,  
28 shall first acquire all available energy efficiency and demand  
29 reduction resources that are cost effective, reliable, and feasible.

30 (b) On or before June 1, 2007, and by June 1 of every third year  
31 thereafter, each local publicly owned electric utility shall identify  
32 all potentially achievable cost-effective electricity efficiency  
33 savings and shall establish annual targets for energy efficiency  
34 savings and demand reduction for the next 10-year period. A local  
35 publicly owned electric utility's determination of potentially  
36 achievable cost-effective electricity efficiency savings shall be  
37 made without regard to previous minimum investments undertaken  
38 pursuant to Section 385. A local publicly owned electric utility  
39 shall treat investments made to achieve energy efficiency savings  
40 and demand reduction targets as procurement investments.

1 (c) Within 60 days of adopting annual targets pursuant to  
2 subdivision (b), each local publicly owned electric utility shall  
3 report those targets to the Energy Commission, and the basis for  
4 establishing those targets.

5 (d) Each local publicly owned electric utility shall report  
6 annually to its customers and to the Energy Commission. The  
7 report shall contain, but is not limited to, both of the following:

8 (1) Its investments in energy efficiency and demand reduction  
9 programs.

10 (2) A description of programs, expenditures, cost-effectiveness,  
11 and expected and actual energy efficiency savings and demand  
12 reduction results.

13 (e) Each local publicly owned electric utility shall also annually  
14 develop and submit to the Energy Commission a report containing  
15 all of the following:

16 (1) The sources of funding for its investments in energy  
17 efficiency and demand reduction program investments.

18 (2) The methodologies and input assumptions used to determine  
19 cost-effectiveness.

20 (3) The results of an independent evaluation that measures and  
21 verifies the energy efficiency savings and reduction in energy  
22 demand achieved by its energy efficiency and demand reduction  
23 programs.

24 (f) (1) Each local publicly owned electric utility, by January 1,  
25 2011, shall develop and submit to the Energy Commission a plan  
26 setting forth a program, to be implemented over the following five  
27 years, requiring the use of distributed thermal, mechanical, or  
28 electrochemical energy storage systems to maximize shifting of  
29 electricity use for air-conditioning and refrigeration from peak  
30 demand periods to offpeak times. The purposes of the program  
31 shall include reducing electricity demand during peak demand  
32 periods and reducing emissions of greenhouse gases, oxides of  
33 nitrogen, and particulate matter.

34 (2) In developing and implementing the plan required by this  
35 subdivision, each of the attributes that an energy storage system  
36 would provide, shall be considered and valued when determining  
37 if a proposed energy storage system is cost effective.

38 (3) Each local publicly owned electric utility, within one year  
39 of its issuance, shall consider and, where feasible, incorporate into  
40 the utility's plan required by this subdivision, the Energy

Commission's evaluation of energy storage locations, technologies, and benefits as identified in the most current Integrated Energy Policy Report prepared pursuant to Section 25302 of the Public Resources Code.

(g) The Energy Commission shall include a summary of the information reported pursuant to subdivision (e) in the integrated energy policy report prepared pursuant to Chapter 4 (commencing with Section 25300) of Division 15 of the Public Resources Code. The Energy Commission shall also include, for each local publicly owned electric utility, a comparison of the local publicly owned electric utility's annual targets established in accordance with this section, and the local publicly owned electric utility's actual energy efficiency savings and demand reductions. If the Energy Commission determines that improvements can be made in either the level of a local publicly owned electric utility's annual targets to achieve all cost-effective, reliable, and feasible energy savings and demand reductions and to enable the local publicly owned electric utilities, in the aggregate, to achieve statewide targets established pursuant to Section 25310, or in meeting each local publicly owned electric utility's annual targets, the Energy Commission shall provide recommendations to the local publicly owned electric utility, the Legislature, and the Governor on those improvements.

~~SEC. 5.~~

*SEC. 4.* Section 9620 of the Public Utilities Code is amended to read:

9620. (a) Each local publicly owned electric utility serving end-use customers, shall prudently plan for and procure resources that are adequate to meet its planning reserve margin and peak demand and operating reserves, sufficient to provide reliable electric service to its customers. Customer generation located on the customer's site or providing electric service through arrangements authorized by Section 218, shall not be subject to these requirements if the customer generation, or the load it serves, meets one of the following criteria:

(1) It takes standby service from the local publicly owned electric utility on a rate schedule that provides for adequate backup planning and operating reserves for the standby customer class.

(2) It is not physically interconnected to the electric transmission or distribution grid, so that, if the customer generation fails, backup power is not supplied from the electricity grid.

(3) There is physical assurance that the load served by the customer generation will be curtailed concurrently and commensurately with an outage of the customer generation.

(b) Each local publicly owned electric utility serving end-use customers shall, at a minimum, meet the most recent minimum planning reserve and reliability criteria approved by the Board of Trustees of the Western Systems Coordinating Council or the Western Electricity Coordinating Council.

(c) Each local publicly owned electric utility shall prudently plan for and procure energy storage systems that are adequate to meet the requirements of Section 2836.

(d) A local publicly owned electric utility serving end-use customers shall, upon request, provide the Energy Commission with any information the Energy Commission determines is necessary to evaluate the progress made by the local publicly owned electric utility in meeting the requirements of this section.

(e) The Energy Commission shall report to the Legislature, to be included in each integrated energy policy report prepared pursuant to Section 25302 of the Public Resources Code, regarding the progress made by each local publicly owned electric utility serving end-use customers in meeting the requirements of this section.

~~SEC. 6:~~

*SEC. 5.* No reimbursement is required by this act pursuant to Section 6 of Article XIII B of the California Constitution because a local agency or school district has the authority to levy service charges, fees, or assessments sufficient to pay for the program or level of service mandated by this act or because costs that may be incurred by a local agency or school district will be incurred because this act creates a new crime or infraction, eliminates a crime or infraction, or changes the penalty for a crime or infraction, within the meaning of Section 17556 of the Government Code, or changes the definition of a crime within the meaning of Section 6 of Article XIII B of the California Constitution.